JOURNAL OF MOLECULAR STRUCTURE, VOLUME 238 (1990)

AUTHOR INDEX

Abe, A., 315
Amato, M.E., 413
Ando, I., 315, 347
Ault, B.S., 111, 223

Bai, H., 223
Bandekar, J., 43
Bandoli, G., 413
Barany, G., 119
Barros, M.T., 335
Barton, R.H., 357
Bell, S., 183
Bickley, R.I., 15
Billing, D.G., 391
Boccanfuso, A.M., 159
Boeyens, J.C.A., 391
Bonsignore, F., 307
Bracke, B., 139
Brienne, S.H.R., 357
Brzezinski, B., 89

Carlton, L., 391
Casellato, U., 413
Chong, Y.S., 101
Chotiy, C.Ju., 289
Clark, D.T., 307
Clark, G.R., 357
Cooney, R.P., 357
Corral, C., 245
Cradock, S., 273

Davis, M.J., 273
Denner, L., 391
Desseyn, H.O., 139
Devlin, M.T., 119
Donoso, R., 245
Durig, J.R., 159, 183, 195

Edwards, H.G.M., 15, 27
Elguero, J., 245

Finocchiaro, P., 307
Foces-Foces, C., 367

Galabov, B., 439
Geraldes, C.F.G.C., 335
Ghomi, M., 55
Goya, P., 245
Guerch, G., 383
Guirgis, G.A., 183
Gustar, R., 15

Hadjieva, B., 439
Hengge, E., 433
Hindmarch, I.A., 391
Huang, H.H., 101

Inomata, K., 315
Ishiguro, R.. 71

Jakobsons, J., 231
Jaud, J., 383

Kalcheva, V., 439
Kanters, J.A., 253
Kanters, J.A., 403
Kolonits, M., 433
Konschin, H., 231
Kooijman, H., 253
Koppe, R., 429
Krimm, S., 43
Kroon, J., 253
Kuroi, T., 1

Labarre, J.-F., 383
Lam, Y.L., 101
Larsen, R.A., 195
Lenstra, A.T.H., 139
Letellier, R., 55
Levin, I.W., 119
Libertini, E., 307
Lin, J., 183
Lissavetsky, J., 245
Little, T.S., 159
Llamas Saiz, A.L., 367

Mamula Bergana, M., 159
Mastryukov, V.S., 433
Maycock, C.D., 335
Michael, J.P., 391

Nakamoto, K., 1
Newton, A.B., 307

Odom, J.D., 159
Ohmoto, T., 325
Olejnik, J., 89
Oonishi, I., 325
Ozaki, T., 347

Pappalardo, G.C., 413
Proniewicz, L.M., 1

Quaeyhaegens, F., 139

Rankin, D.W.H., 273
Rickard, C.E.F., 357
Rose, S.J., 15
Rozas, I., 245
Rozsondai, B., 433
Rybachenko, V.I., 289

Sakamoto, Yohko, 325
Sakamoto, Yuko, 325
Schnockel, H., 429
Schouten, A., 403
Schuster, H.G., 433
Shevchenko, S.M., 231
Shoji, A., 347
Silva, M.I., 335
Smith, D.N., 27
Sournies, F., 383
Strelkov, S.A., 433
Summers, L.A., 357
Suzuki, E., 71

Taillandier, E., 55
Tanisawa, E., 315
Titov, E.V., 289
Toja, E., 413
Tuzi, S., 437

Van Bommel, M., 403
Vilkov, L.V., 433

Watari, F., 71
Wu, G., 79

Zhao, W.-Y., 43
Zundel, G., 89

JOURNAL OF MOLECULAR STRUCTURE, VOLUME 238 (1990)

SUBJECT INDEX

Acetyl cyanide,
Far infrared spectrum, barrier to internal rotation, r_0 structure, and ab initio calculations for acetyl cyanide, 183
Acyl ammonium salts,
Molecular spectra and structure of acyl ammonium salts, 289
Alanine,
^{13}C NMR chemical shift and conformation of β-benzyl L-aspartate residues in copolymers of β-benzyl L-aspartate and L-alanine in solution, 347
Antitumor effectiveness,
On the antitumor effectiveness of aziridinocyclophosphazenes: crystal and molecular structure of the non-active 2,2-bis(1-aziridinyl)-4,4,6,6-tetrachlorocyclotriphosphazene, *gem*-$N_3P_3Az_2Cl_4$, 383
Aziridinocyclophosphazenes,
On the antitumor effectiveness of aziridinocyclophosphazenes: crystal and molecular structure of the non-active 2,2-bis(1-aziridinyl)-4,4,6,6-tetrachlorocyclotriphosphazene, *gem*-$N_3P_3Az_2Cl_4$, 383

Benzene,
Infrared spectroscopic characterization of 1:1 molecular complexes of SO_2 with benzene and related conjugated electron donors in argon matrices, 111
β-Benzyl L-aspartate residues,
^{13}C NMR chemical shift and conformation of β-benzyl L-aspartate residues in copolymers of β-benzyl L-aspartate and L-alanine in solution, 347
[1,1′-Bipyrrolidine]-2,2′-dithione,
The structure and conformation of [1,1′-bipyrrolidine]-2,2′-dithione, 391
Bis(trifluoromethyl)diselenide,
Infrared and Raman spectra, conformational stability, vibrational assignment and normal coordinate analysis of methyltrifluoromethyldiselenide and bis(trifluoromethyl)diselenide, 159

Carbonyl complexes,
Infrared spectra of carbonyl complexes of Fe(II) phthalocyanine and Fe(II) salen in low temperature matrices, 1

Diarylsulphones,
Static and dynamic stereochemistry of *ortho*-bridged diarylsulphones, 307
Dicarbonyl compounds,
The preferential direction of enolization of some asymmetric 1,3-dicarbonyl compounds in solution: a study by multinuclear NMR spectroscopy, 335
Dimethoxyethane,
Conformation and conformational energies of dimethoxymethane and 1,1-dimethoxyethane, 315
Dimethoxymethane,
Conformation and conformational energies of dimethoxymethane and 1,1-dimethoxyethane, 315
Dimethylthieno [2,4-c:5,4-c′]dipyridinium diiodide monohydrate salt,
Crystal structure and vibrational spectroscopic studies of the 2,7-dimethylthieno[2,3-c:5,4-c′]dipyridinium diiodide monohydrate salt and its radical monocation, 357
1,2-Diphenyltetrafluoroethane,
Rotational isomerism in 1,2-diphenyltetrafluoroethane, 101
Disulfide group,
Vibrational studies of the disulfide group in proteins. Part III. A simplified ab initio force field for diethyl disulfide and SS and CS stretch frequency–conformation correlations for diisobutyl disulfide, 43
1,3-Dithietane 1,3-dioxide,
Thermal decomposition of 1,3-dithietane 1,3-dioxide and infrared spectrum of matrix-isolated sulfine, 71

DNA,
Determination of the nucleosidic structural parameters by means of DNA vibrational markers, 55

Enalapril (MK-421),
Conformational analysis of enalapril (MK-421) in solution by ^1H and ^{13}C NMR, 325
Enolization,
The preferential direction of enolization of some asymmetric 1,3-dicarbonyl compounds in solution: a study by multinuclear NMR spectroscopy, 335
Ethanesulphonic acid,
The Raman spectrum of ethanesulphonic acid, $C_2H_5SO_3H$, and the ethanesulphonate ion, 27
Ethanol,
Torsional vibrations and barriers to internal rotation for ehtanol and 2,2,2-trifluoroethanol, 195

Fe(II),
Infrared spectra of carbonyl complexes of Fe(II) phthalocyanine and Fe(II) salen in low temperature matrices, 1
4-O-β-D-Galactopyranosyl-D-glucitol.$2H_2O$,
Crystal and molecular structure of the dihydrate of the artificial sweetener lactitol: 4-O-β-D-galactopyranosyl-D-glucitol.$2H_2O$, 403
GeS_2,
Molekulares GeS_2: Matrix-IR-Untersuchungen und ab initio SCF-Rechnungen, 429

Lactitol,
Crystal and molecular structure of the dihydrate of the artificial sweetener lactitol: 4-O-β-D-galactopyranosyl-D-glucitol.$2H_2O$, 403
Lignin *p*-quinone methides,
A theoretical and experimental investigation of *Z*, *E* stereoisomerism in some lignin *p*-quinone methides, 231

Macrocycles,
Infrared matrix isolation of the 1:1 complexes of HCl and ClF with sulfur and nitrogen-containing macrocycles, 223
Methyltrifluoromethyldiselenide,
Infrared and Raman spectra, conformational stability, vibrational assignment and normal coordinate analysis of methyltrifluoromethyldiselenide and bis(trifluoromethyl)diselenide, 159
Muscarinic agonists,
Molecular mechanics calculations on muscarinic agonists, 253

N–H···Nsp^2 hydrogen interactions,
N–H···Nsp^2 hydrogen interactions in organic crystals, 367
Nickel(II) acetate,
A Raman spectroscopic study of nickel(II) acetate, $Ni(CH_3COO)_2$ and its aqueous and methanolic solutions, 15
Nootropic agents,
X-ray and ^1H-NMR spectroscopic studies of the structures and conformations of the new nootropic agents RU-35929, RU-47010 and RU-35965, 413

Nucleosidic,
Determination of the nucleosidic structural parameters by means of DNA vibrational markers, 55

Octamethylcyclotetrasilane,
The molecular structure of octamethylcyclotetrasilane, $Si_4(CH_3)_8$, from gas electron diffraction, 433
Oxalyldihydrazide,
Vibrational analysis of different isomers of oxalyldihydrazide and the crystal structure of the "*trans-trans*" form, 139

PF_2OCH_3,
The gas-phase structure of PF_2OCH_3, determinated by combined analysis of electron diffraction and rotational data, 273
Phenol-retinal,
Phenol-retinal Schiff base hydrogen bonds—influence of steric hindrance and phenol acidity on the thermodynamic data of formation and proton transfer, 89
Propranolol,
Conformational analysis of thiophene analogs of propranolol, 245
Proteins,
Vibrational studies of the disulfide group in proteins. Part III. A simplified ab initio

force field for diethyl disulfide and SS and CS stretch frequency-conformation correlations for diisobutyl disulfide, 43

Pyridazine,
Charge shift of absorbed pyridazine molecules to the silver electrode surface at various applied voltages as interpreted from the surface enhanced Raman intensities, 79

Schiff base,
Phenol–retinal Schiff base hydrogen bonds — influence of steric hindrance and phenol acidity on the thermodynamic data of formation and proton transfer, 89

SO_2,
Infrared spectroscopic characterization of 1:1 molecular complexes of SO_2 with benzene and related conjugated electron donors in argon matrices, 111

Sulfides,
Conformational properties of asymmetrically substituted mono-, di- and trisulfides: solid and liquid phase Raman spectra, 119

Sulfine,
Thermal decomposition of 1,3-dithietane 1,3-dioxide and infrared spectrum of matrix-isolated sulfine, 71

Thiophene,
Conformational analysis of thiophene analogs of propranolol, 247

Trifluoroethanol,
Torsional vibrations and barriers to internal rotation for ethanol and 2,2,2-trifluoroethanol, 195

Ureas,
Conformation of some biologically active di- and tri-substituted ureas, 439